



## **NVIDIA Quadro® by PNY Technologies Professional Graphics Board Quick Start Guide v177.82**

### **Before You Begin:**

- Verify that Windows® Vista or XP functions properly in VGA mode.
- Ensure that you have the right type of graphics card for your system (PCI Express, AGP, or PCI) and an available slot to install the board in.

### **Register Your Quadro Graphics Card**

- Before you install your card, but sure to write down the card's serial number so you can claim your extended warranty by registering your board with PNY
- Go to PNY's web site at <http://www.pny.com/support/register/warr2.asp> to register your new graphics board. All products in the NVIDIA Quadro by PNY family come with 1 year hardware warranty
- Registering your card extends your hardware warranty from 1 year to 3 years so please register your Quadro professional graphics board today

### **Special Precautions While Installing Your Graphics Board:**

- Before touching any electronic parts, discharge the static electricity from your body by touching the internal metal frame of your computer while it is unplugged
- Do not remove a board from its anti-static bag until you are ready to install it; whenever you remove a card from your computer always place it back in its anti-static container
- Do not let your clothing touch any electronic parts
- When handling a board, hold it by its edges, and avoid touching its circuitry

### **Minimum System Requirements:**

- PC compatible with Intel Pentium® 4/Xeon® or AMD Athlon®/Opteron® class processor or higher
- An available PCI Express x16 slot (for x16 PCIE boards) or an x1 PCIE slot (for x1 PCIE boards), an AGP 2.0 slot or better (for AGP boards), or a PCI expansion slot (for PCI boards)
- Windows® Vista (any edition) or XP (Home or Professional)
- 512MB or more of system memory (Windows Vista, 256MB for Windows XP)
- 50MB of available disk space for full installation.
- DVD-ROM or CD-ROM drive
- DVI-I or VGA compatible display
- 350W power supply (more required for SLI, or boards such as the FX 4700X2 or FX 5600)

### **Package Contents:**

Your NVIDIA Quadro by PNY package contains the items below; if you find any damaged or missing items, please contact your dealer.

- Graphics board
- Adapter(s) or cable(s)
- CD-ROM with drivers for Windows® Vista and XP, PDF copy of User Manual
- Quick Installation Guide

### **1\_ Uninstall Your Existing VGA Driver**

- Remove your existing Display Driver using the 'Add or Remove Programs' Icon in the 'Control Panel'.
- Shut down your computer.

### **2\_ Remove Your Existing Graphics Board (or Disable Integrated 3D Graphics Controller)**

- Power off the computer and any attached equipment. Unplug your computer and disconnect the monitor cable, but note the slot where the cable was plugged in. Disconnect any other peripheral cables necessary to enable removing the cover of the computer.
- Locate your existing graphics board then remove the screw that holds the bracket to the chassis. Remove the board by grasping it on the edges and pulling it out of the slot.
- Systems with integrated (also known as on-board) 3D graphics may require you to disable the integrated 3D graphics system. Consult the owners or vendor manual that came with your PC on how to properly do this.

### 3 \_ Choose an Expansion Slot

- If necessary, remove the back cover for the slot you intend to use and save the screw for the mounting bracket of your new NVIDIA Quadro by PNY professional graphics board. Make sure you select the right type of slot based on the model of graphics board you purchased (PCI Express, AGP, or PCI).

### 4 \_ Insert the New Board

- Position the NVIDIA Quadro by PNY professional graphics board over the expansion slot that coincides with the type (PCI Express, AGP, or PCI) of the board purchased. Push the board firmly and evenly until fully seated into the slot. Replace the screw to secure the bracket of the graphics board to the computer chassis. Replace the cover of your computer.

### 5 \_ Supplemental Power Requirements

- The FX 3500, FX 3700, FX 4700 X2, FX 4600, FX 4600G, FX 5500, FX 5500G, FX 5500 SDI, FX 5600, and FX 5600G graphics boards ship with an auxiliary power cable (two connectors for FX 4700 X2 or any FX 5600) that must be plugged in to the system power supply and your graphics board for proper operation. Locate an unused 4-pin power plug inside your computer system and plug the 4-pin connector on the auxiliary power cable into it. PCIe boards have a single 6-pin connector (except for the FX 4700 X2 and any FX 5600 which have two connectors). Make sure it is plugged into the 6-pin connector on your graphics card. Please verify the orientation of all plugs before insertion and do not force any plug into any connector. **The FX 4700 X2 requires a PCIe Gen 2 power supply with the power taps noted above for proper operation.**

### 6 \_ Reconnect the Monitor Cable

- Utilizing the DVI-I connector, or DVI-I to VGA adapters (supplied with Quadro FX), or the DMS-59 to dual VGA or DMS-59 to dual DVI-I adapter cable (supplied with Quadro FX 370 Low Profile or Quadro NVS), reconnect the monitor cable to the graphics card.

### 7 \_ Installing NVIDIA Quadro Graphics Drivers

- Insert the NVIDIA Quadro by PNY CD-ROM into the CD-ROM drive. The CD will auto run and you will be presented with a menu that allows you to install drivers.
- From the main menu click on the Drivers option and the proper driver for your version of Windows will be installed.
- For DirectX drivers click on the DirectX option and drivers for DirectX9.0c or 10.0 will be installed..
- Additional information about NVIDIA Quadro by PNY professional graphics board drivers and updates can be found at [www.pny.com/quadro](http://www.pny.com/quadro).

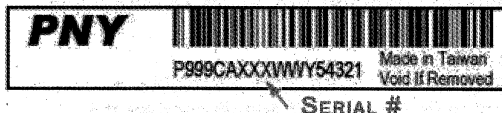
### 8 \_ Contacting Technical Support

- If you need additional technical assistance, please contact PNY Quadro Support at 1-800-230-0130 or via email at [QuadroSupport@pny.com](mailto:QuadroSupport@pny.com).

### Limited Liability

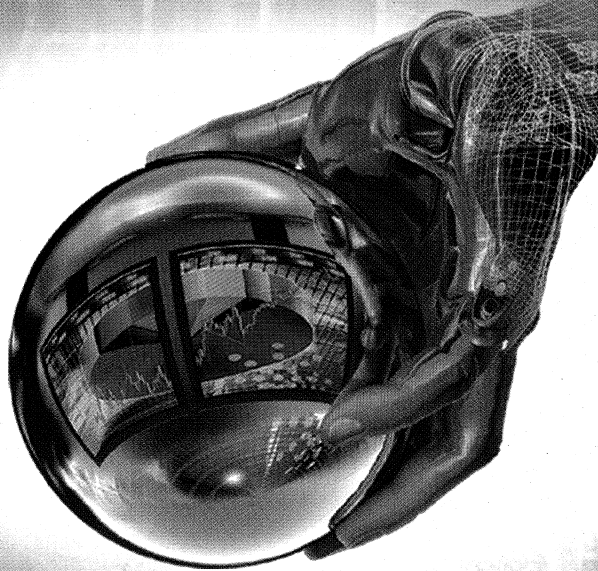
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Before installing your Graphics card be sure to write down your serial number to claim your extended warranty.



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